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RAW SEQUENCE LISTING

DATE: 07/02/2002

PATENT APPLICATION: US/10/091,442

TIME: 15:27:24

Input Set : N:\Crf3\RULE60\10091442.raw

Output Set: N:\CRF3\07022002\J091442.raw

SEQUENCE LISTING

3 (1) GENERAL INFORMATION:

(i) APPLICANT: TSUJIMOTO, Masafumi

IWASA, Fuyuki

TSUROUOKA, Nobuo

NAKAZATO, Hiroshi

MIURA, Kenju

ISHIDA, Nobuhiro

KURIHARA, Tatsuya

YAMAICHI, Kozo

YAMAGUCHI, Nozomi

(ii) TITLE OF INVENTION: MEGAKARYOCYTE DIFFERENTIATION FACTOR

(iii) NUMBER OF SEQUENCES: 34

(iv) CORRESPONDENCE ADDRESS:

(A) ADDRESSEE: Burns, Doane, Swecker & Mathis

(B) STREET: P.O. Box 1404

(C) CITY: Alexandria

(D) STATE: Virginia

(E) COUNTRY: United States

(F) ZIP: 22313-1404

(v) COMPUTER READABLE FORM:

(A) MEDIUM TYPE: Floppy disk

(B) COMPUTER: IBM PC compatible

(C) OPERATING SYSTEM: PC-DOS/MS-DOS

(D) SOFTWARE: PatentIn Release #1.0, Version #1.30

(vi) CURRENT APPLICATION DATA:

(A) APPLICATION NUMBER: US/10/091,442

(B) FILING DATE: 07-Mar-2002

(C) CLASSIFICATION:

(vii) PRIOR APPLICATION DATA:

(A) APPLICATION NUMBER: US/09/140,719

(B) FILING DATE: 08-AUG-1998

(A) APPLICATION NUMBER: US 08/474,661

(B) FILING DATE: 07-JUN-1995

(A) APPLICATION NUMBER: US 08/091,028

(B) FILING DATE: 14-JUL-1993

(A) APPLICATION NUMBER: JP 4-212305

(B) FILING DATE: 17-JUL-1992

(A) APPLICATION NUMBER: JP 6-067339

(B) FILING DATE: 04-MAR-1993

(viii) ATTORNEY/AGENT INFORMATION:

(A) NAME: McGowan, Malcolm K.

(B) REGISTRATION NUMBER: 39,300

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C--> 35

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63 (C) REFERENCE/DOCKET NUMBER: 001560-247

65 (ix) TELECOMMUNICATION INFORMATION:

66 (A) TELEPHONE: (703) 836-6620

67 (B) TELEFAX: (703) 836-2021

70 (2) INFORMATION FOR SEQ ID NO: 1:

72 (i) SEQUENCE CHARACTERISTICS:

73 (A) LENGTH: 9 amino acids

74 (B) TYPE: amino acid

75 (C) STRANDEDNESS: single

76 (D) TOPOLOGY: linear

78 (ii) MOLECULE TYPE: peptide

80 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 1:

82 Ser Glu Thr Ile Asn Cys His Phe Lys

83 1 5

86 (2) INFORMATION FOR SEQ ID NO: 2:

88 (i) SEQUENCE CHARACTERISTICS:

89 (A) LENGTH: 7 amino acids

90 (B) TYPE: amino acid

91 (C) STRANDEDNESS: single

92 (D) TOPOLOGY: linear

94 (ii) MOLECULE TYPE: peptide

96 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 2:

98 Trp Gln Ser Ala Phe Thr Lys

99 1 5

102 (2) INFORMATION FOR SEQ ID NO: 3:

104 (i) SEQUENCE CHARACTERISTICS:

105 (A) LENGTH: 19 amino acids

106 (B) TYPE: amino acid

107 (C) STRANDEDNESS: single

108 (D) TOPOLOGY: linear

110 (ii) MOLECULE TYPE: peptide

112 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3:

114 Val Glu Arg Val Asp Phe Thr Asn His Leu Glu Asp Thr Arg Arg Asn

115 1 5 10 15

117 Ile Asn Lys

121 (2) INFORMATION FOR SEQ ID NO: 4:

123 (i) SEQUENCE CHARACTERISTICS:

124 (A) LENGTH: 17 amino acids

125 (B) TYPE: amino acid

126 (C) STRANDEDNESS: single

127 (D) TOPOLOGY: linear

129 (ii) MOLECULE TYPE: peptide

131 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4:

133 Ser Tyr Ile Glu Val Thr Glu Glu Gly Thr Glu Ala Thr Ala Ala Thr

134 1 5 10 15

136 Gly

140 (2) INFORMATION FOR SEQ ID NO: 5:

142 (i) SEQUENCE CHARACTERISTICS:

143 (A) LENGTH: 9 amino acids

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144         (B) TYPE: amino acid
145         (C) STRANDEDNESS: single
146         (D) TOPOLOGY: linear
148     (ii) MOLECULE TYPE: peptide
150     (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 5:
152     Gln Tyr Leu Arg Ala Leu Gly Leu Lys
153     1         5
156 (2) INFORMATION FOR SEQ ID NO: 6:
158     (i) SEQUENCE CHARACTERISTICS:
159         (A) LENGTH: 20 amino acids
160         (B) TYPE: amino acid
161         (C) STRANDEDNESS: single
162         (D) TOPOLOGY: linear
164     (ii) MOLECULE TYPE: peptide
166     (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 6:
168     Ala Asp Leu Ser Gly Ile Ala Ser Gly Arg Leu Tyr Ile Ser Arg
169     1         5         10         15
171     Met Met Gly Lys
172         20
175 (2) INFORMATION FOR SEQ ID NO: 7:
177     (i) SEQUENCE CHARACTERISTICS:
178         (A) LENGTH: 5 amino acids
179         (B) TYPE: amino acid
180         (C) STRANDEDNESS: single
181         (D) TOPOLOGY: linear
183     (ii) MOLECULE TYPE: peptide
185     (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 7:
187     Leu Tyr Asp Ala Lys
188     1         5
191 (2) INFORMATION FOR SEQ ID NO: 8:
193     (i) SEQUENCE CHARACTERISTICS:
194         (A) LENGTH: 5 amino acids
195         (B) TYPE: amino acid
196         (C) STRANDEDNESS: single
197         (D) TOPOLOGY: linear
199     (ii) MOLECULE TYPE: peptide
201     (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 8:
203     Asn Tyr Glu Met Lys
204     1         5
207 (2) INFORMATION FOR SEQ ID NO: 9:
209     (i) SEQUENCE CHARACTERISTICS:
210         (A) LENGTH: 10 amino acids
211         (B) TYPE: amino acid
212         (C) STRANDEDNESS: single
213         (D) TOPOLOGY: linear
215     (ii) MOLECULE TYPE: peptide
217     (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 9:
219     Ala Val Ala Met Met His Gln Glu Arg Lys
220     1         5         10

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Input Set : N:\Crf3\RULE60\10091442.raw

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223 (2) INFORMATION FOR SEQ ID NO: 10:
 225 (i) SEQUENCE CHARACTERISTICS:
 226 (A) LENGTH: 38 base pairs
 227 (B) TYPE: nucleic acid
 228 (C) STRANDEDNESS: single
 229 (D) TOPOLOGY: linear
 231 (ii) MOLECULE TYPE: DNA (genomic)
 233 (ix) FEATURE:
 234 (A) NAME/KEY: misc_feature
 235 (B) LOCATION: 3..31
 236 (D) OTHER INFORMATION: /note= "Corresponding to amino acid
 237 sequence of SEQ ID NO: 3; N is inosine."
 239 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 10:
 241 GTNGARNNNG TNGAYTTYAC NAAYCAYYTN GARGAYAC 38
 244 (2) INFORMATION FOR SEQ ID NO: 11:
 246 (i) SEQUENCE CHARACTERISTICS:
 247 (A) LENGTH: 32 base pairs
 248 (B) TYPE: nucleic acid
 249 (C) STRANDEDNESS: single
 250 (D) TOPOLOGY: linear
 252 (ii) MOLECULE TYPE: DNA (genomic)
 254 (ix) FEATURE:
 255 (A) NAME/KEY: misc_feature
 256 (B) LOCATION: 9..28
 257 (D) OTHER INFORMATION: /note= "Corresponding to amino acid
 258 sequence of SEQ ID NO: 4; N is inosine."
 260 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 11:
 262 TACATCGANG TNACNGARGA RGGNACNGAR GC 32
 264 (2) INFORMATION FOR SEQ ID NO: 12:
 266 (i) SEQUENCE CHARACTERISTICS:
 267 (A) LENGTH: 37 base pairs
 268 (B) TYPE: nucleic acid
 269 (C) STRANDEDNESS: single
 270 (D) TOPOLOGY: linear
 272 (ii) MOLECULE TYPE: DNA (genomic)
 274 (ix) FEATURE:
 275 (A) NAME/KEY: misc_feature
 276 (B) LOCATION: 1..37
 277 (D) OTHER INFORMATION: /note= "Oligomer attached to
 278 3'-RACE kit (Gibco BRL)."
 280 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 12:
 282 GGCCACGCGT CGACTAGTAC TTTTTTTTTT TTTTTT 37
 285 (2) INFORMATION FOR SEQ ID NO: 13:
 287 (i) SEQUENCE CHARACTERISTICS:
 288 (A) LENGTH: 20 base pairs
 289 (B) TYPE: nucleic acid
 290 (C) STRANDEDNESS: single
 291 (D) TOPOLOGY: linear
 293 (ii) MOLECULE TYPE: DNA (genomic)

RAW SEQUENCE LISTING

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Input Set : N:\Crif3\RULE60\10091442.raw

Output Set: N:\CRF3\07022002\J091442.raw

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295      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 13:
297 ATGTTGTGGG GACTGCTATA                                20
300 (2) INFORMATION FOR SEQ ID NO: 14:
302      (i) SEQUENCE CHARACTERISTICS:
303          (A) LENGTH: 23 base pairs
304          (B) TYPE: nucleic acid
305          (C) STRANDEDNESS: single
306          (D) TOPOLOGY: linear
308      (ii) MOLECULE TYPE: DNA (genomic)
310      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 14:
312 CAAGGCGAAT GACCTCTAAG TAT                                23
315 (2) INFORMATION FOR SEQ ID NO: 15:
317      (i) SEQUENCE CHARACTERISTICS:
318          (A) LENGTH: 21 base pairs
319          (B) TYPE: nucleic acid
320          (C) STRANDEDNESS: single
321          (D) TOPOLOGY: linear
323      (ii) MOLECULE TYPE: DNA (genomic)
327      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 15:
329 CCCCGAAGCA ATCCAGAGA G                                21
332 (2) INFORMATION FOR SEQ ID NO: 16:
334      (i) SEQUENCE CHARACTERISTICS:
335          (A) LENGTH: 21 base pairs
336          (B) TYPE: nucleic acid
337          (C) STRANDEDNESS: single
338          (D) TOPOLOGY: linear
340      (ii) MOLECULE TYPE: DNA (genomic)
342      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 16:
344 CTCAGGCAGC AGAACGTACA T                                21
347 (2) INFORMATION FOR SEQ ID NO: 17:
349      (i) SEQUENCE CHARACTERISTICS:
350          (A) LENGTH: 21 base pairs
351          (B) TYPE: nucleic acid
352          (C) STRANDEDNESS: single
353          (D) TOPOLOGY: linear
355      (ii) MOLECULE TYPE: DNA (genomic)
357      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 17:
359 GGCGACGACT CCTGGAGCCC G                                21
362 (2) INFORMATION FOR SEQ ID NO: 18:
364      (i) SEQUENCE CHARACTERISTICS:
365          (A) LENGTH: 22 base pairs
366          (B) TYPE: nucleic acid
367          (C) STRANDEDNESS: single
368          (D) TOPOLOGY: linear
370      (ii) MOLECULE TYPE: DNA (genomic)
372      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 18:
374 GACACCAGAC CAACTGGTAA TG                                22
377 (2) INFORMATION FOR SEQ ID NO: 19:
379      (i) SEQUENCE CHARACTERISTICS:

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VERIFICATION SUMMARY

PATENT APPLICATION: US/10/091,442

DATE: 07/02/2002

TIME: 15:27:25

Input Set : N:\Crf3\RULE60\10091442.raw

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L:34 M:220 C: Keyword misspelled or invalid format, [(A) APPLICATION NUMBER:]

L:35 M:220 C: Keyword misspelled or invalid format, [(B) FILING DATE:]

L:671 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:30